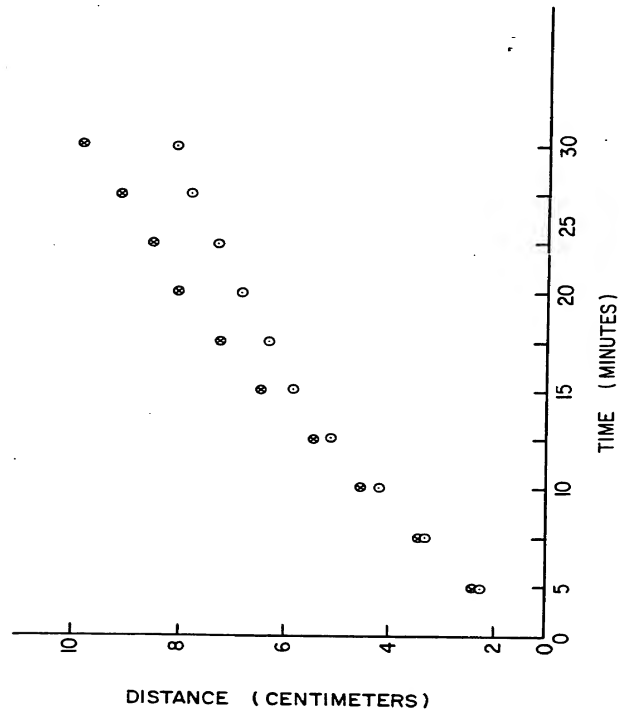


5004643

FIG. 1



APPROVED	O.G. FIG.
BY	CLASS (GUDGLASS)
CRAFTSMAN	

319,778

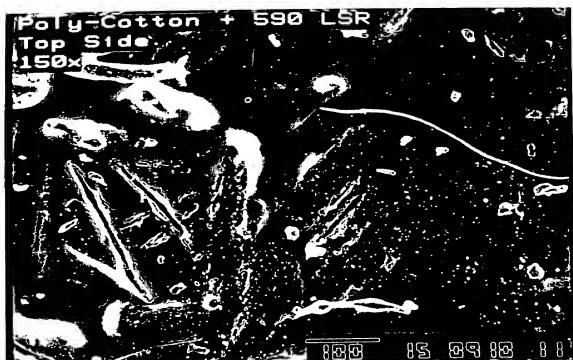


FIG. 2



FIG. 3a

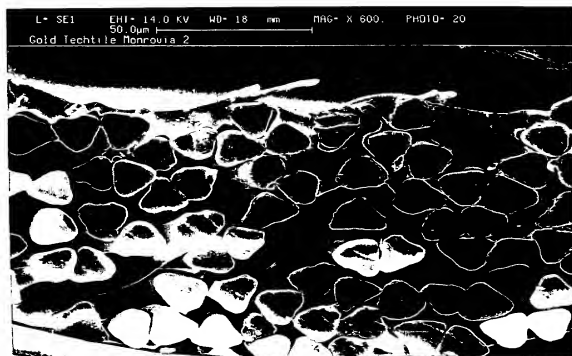


FIG. 3b

APPROVED	D.G. FIG.
BY	CLASS (CUR/CLASS)
DRAFTSMAN	

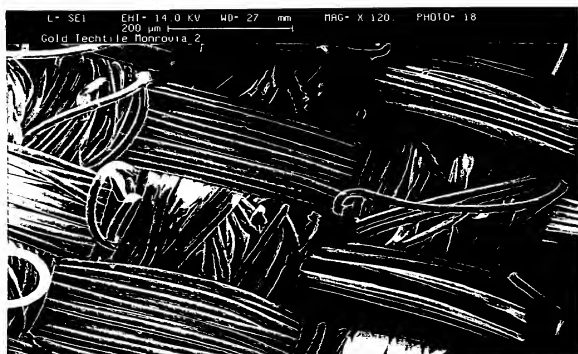


FIG. 3c

FIG. 4a

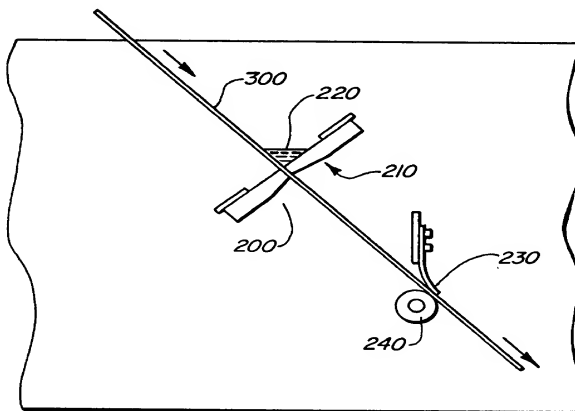
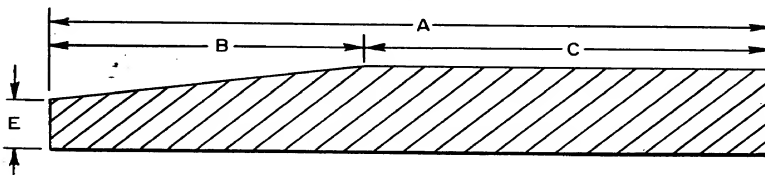


FIG. 4b



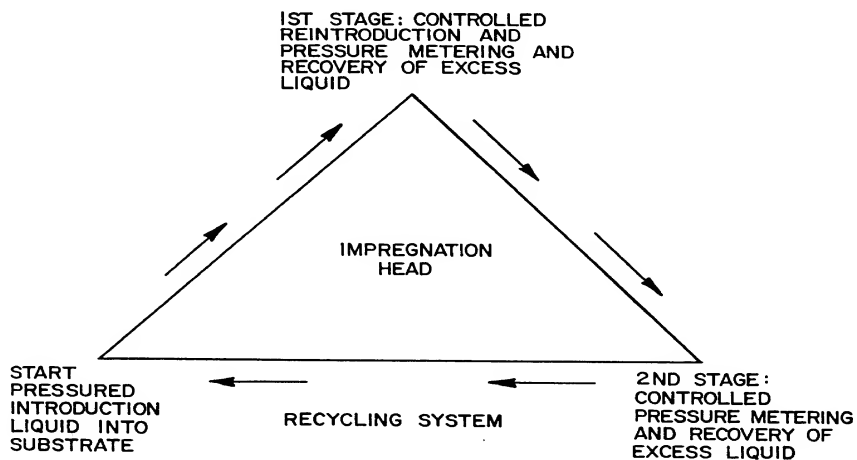


FIG. 5

FIG. 6

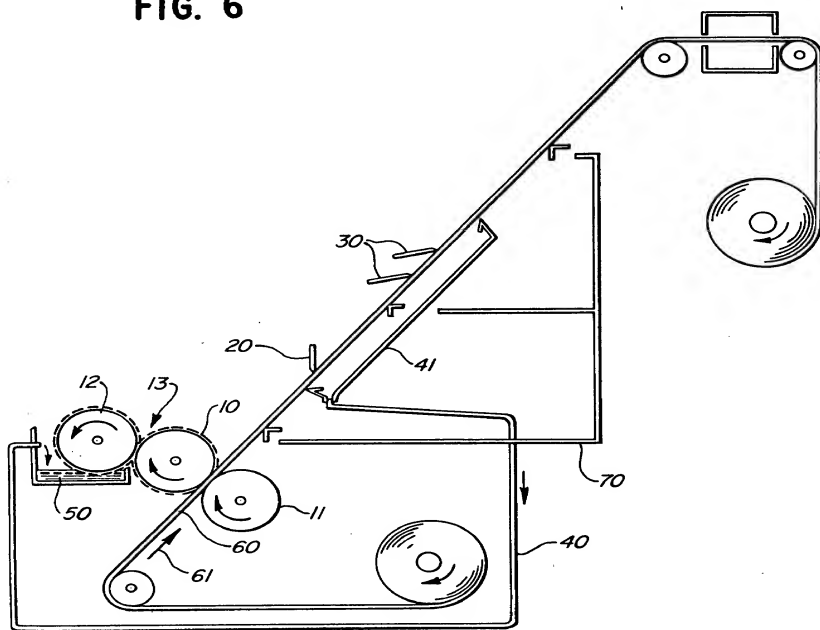


FIG. 7

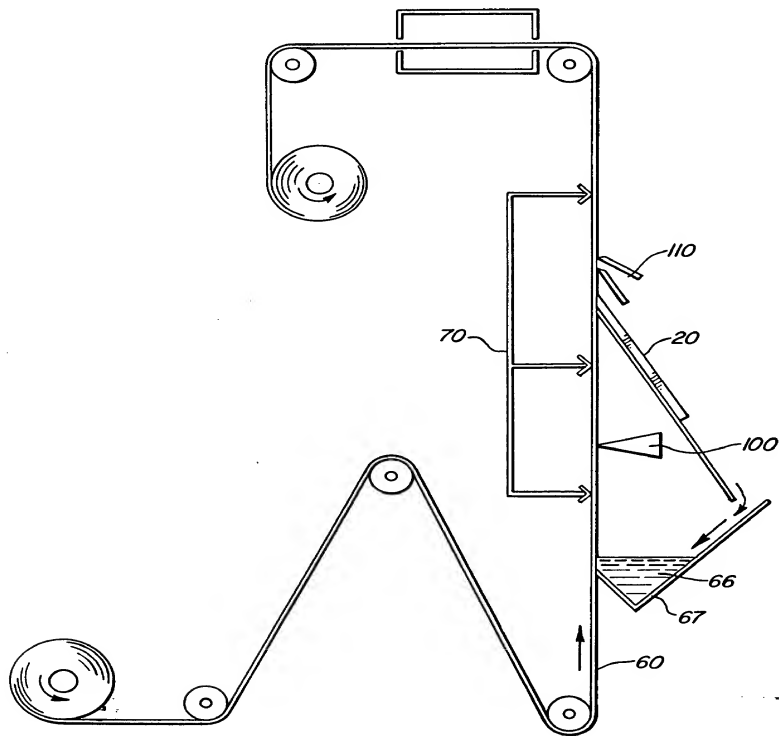


FIG. 8a PRIOR ART

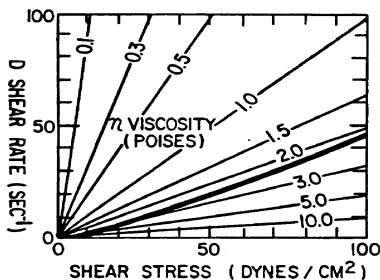


FIG. 8b PRIOR ART

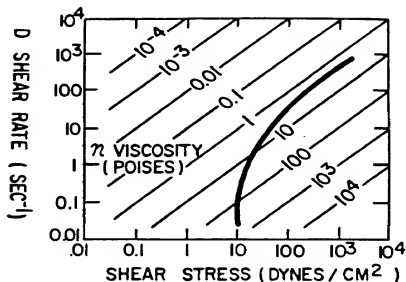


FIG. 8c PRIOR ART

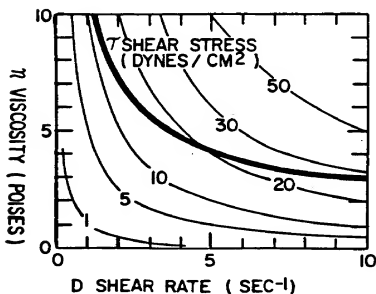


FIG. 8d PRIOR ART

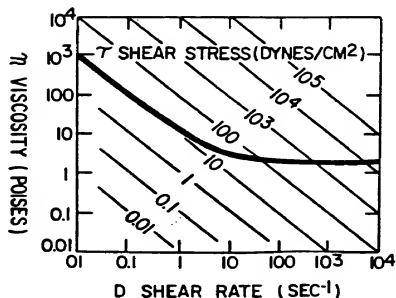


FIG. 9 PRIOR ART

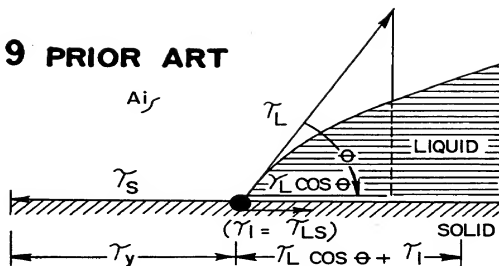
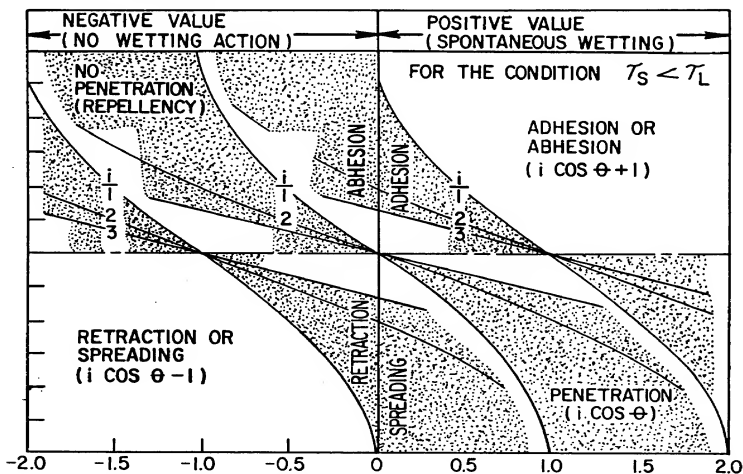


FIG. 10 PRIOR ART



FUNCTION OF θ AND i AS INDICATED ON DIAGRAM FOR ADHESION, PENETRATION, AND SPREADING, RESPECTIVELY

FIG. IIa PRIOR ART

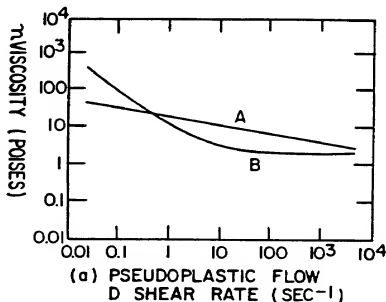


FIG. IIb PRIOR ART

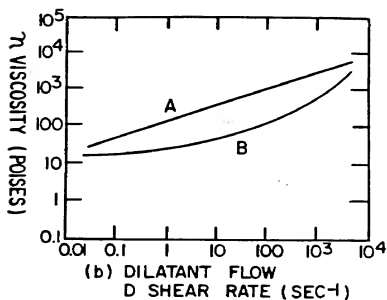


FIG. IIc PRIOR ART

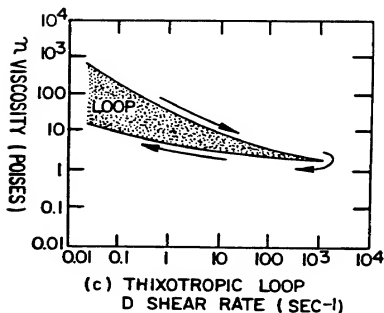
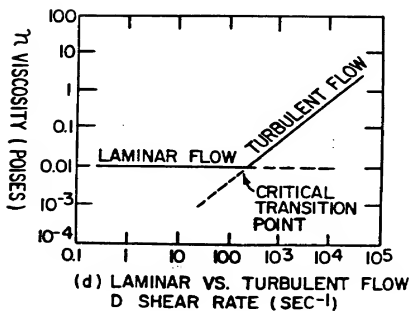


FIG. II d PRIOR ART



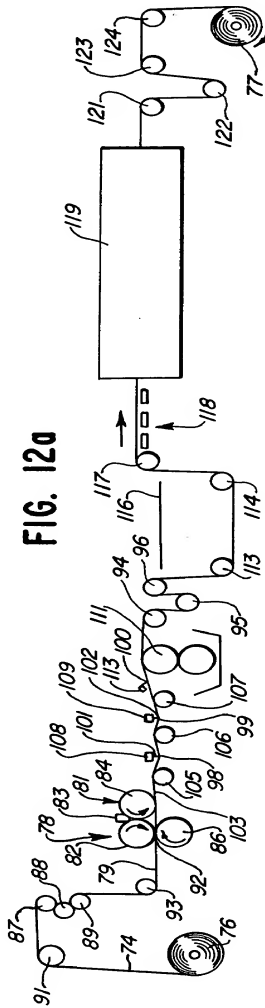


FIG. 12a

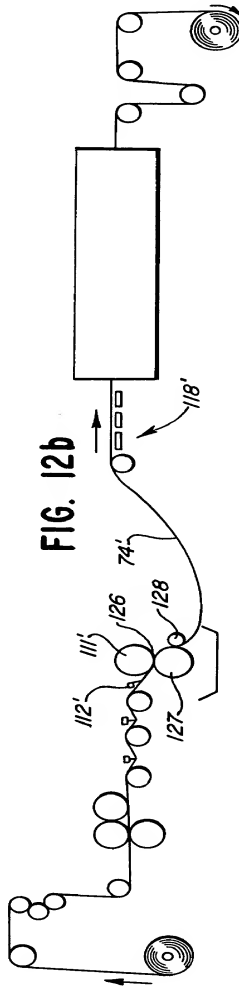


FIG. 12b

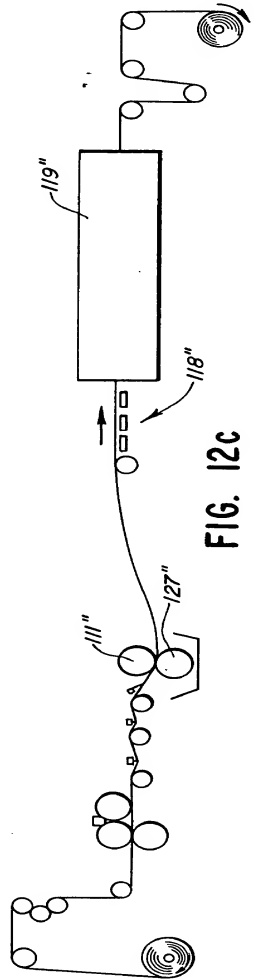


FIG. 12c

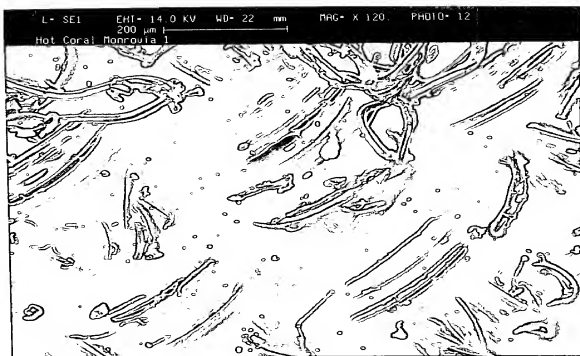


FIG. 13a

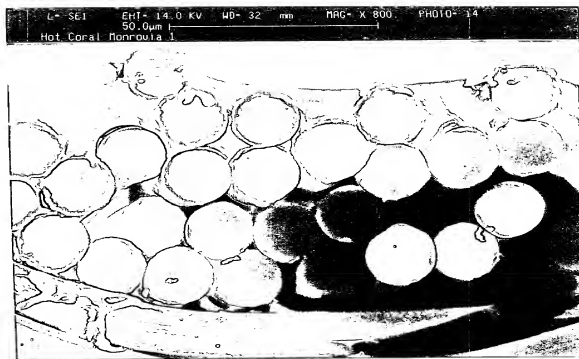


FIG. 13b

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



FIG. 13c